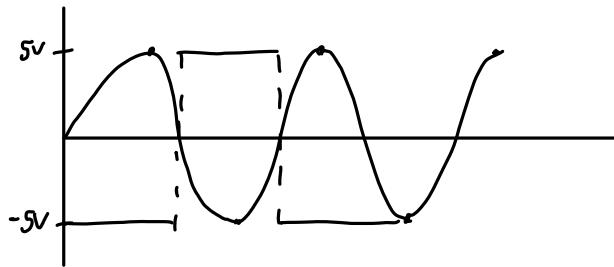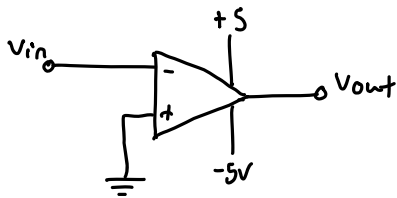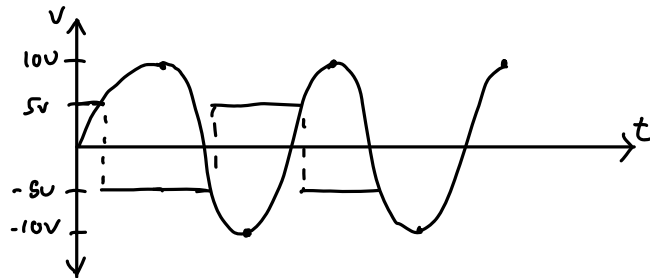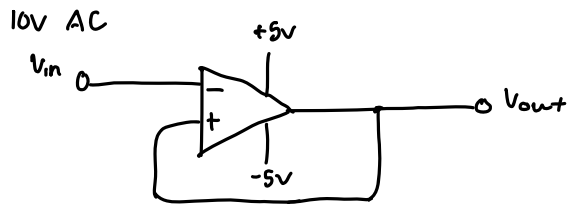$V_{out} = +\infty$ if noninverting > inverting

$= -\infty$ if noninverting < inverting

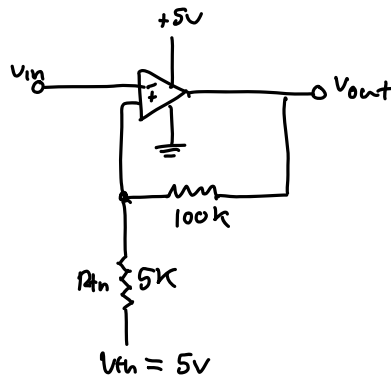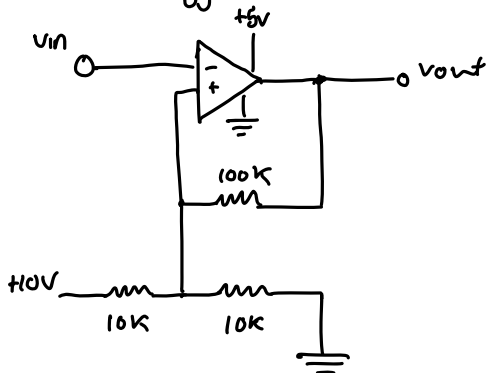## Positive Feedback

10v AC

Vout starts at 5 volts

Schmidt trigger

if $V_{out} = 5v$
$V_+ = 5v$

if V_{in} goes above 5v,
Vout flips to 0 V

if $V_{out} = 0V$
$V_+ = \dfrac{100k}{103k} 5v = 4.76 v$

if $V_{in} < 4.76v$,
Vout flips to +5V